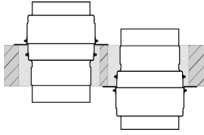
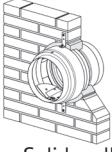
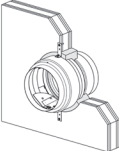
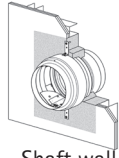
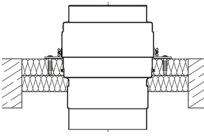


## Declaration of Performance

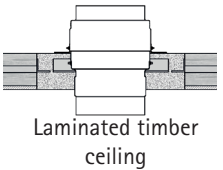
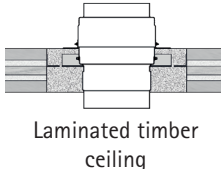
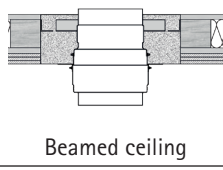


Declaration of Performance No. DoP/WFK/DE/2018/001

1. **Product:** WFK  
Unique identification code of the product type
2. **Intended use:** To be used in conjunction with walls and ceilings to maintain fire compartments in heating, ventilating and air conditioning installations  
Intended use of the construction product, in accordance with the applicable harmonised technical specification
3. **Manufacturer:** Bartholomäus GmbH  
Bachstrasse 10  
89607 Emerkingen
4. **System of assessment and verification of constancy of performance:** System 1
5. **Notified body:** The notified body IBS Linz No.1322 executed the initial inspection of the work and the factory production control as well as the ongoing monitoring, assessment and evaluation of the factory production control according to System 1 of Construction Product Regulation and issued the certificate of constancy of performance 1322-CPR-086678/01
6. **Harmonised standard:** EN 15650:2010
7. **Declared performance according to EN 15650:2010 (harmonised technical specification)**

| Essential characteristics  | Grade and/or Class           | Performance            |
|--|------------------------------|------------------------|
| <b>Nominal activation conditions/sensitivity:</b> <ul style="list-style-type: none"> <li>▪ Sensing element load bearing capacity</li> <li>▪ Sensing element response temperature</li> </ul>          |                              | fulfilled<br>fulfilled |
| <b>Response delay (response time):</b> <ul style="list-style-type: none"> <li>▪ Closure time</li> </ul>  |                              | fulfilled              |
| <b>Operational reliability:</b> <ul style="list-style-type: none"> <li>▪ Cycling</li> </ul>  |                              | cycling 50             |
| <b>Durability of response delay:</b> <ul style="list-style-type: none"> <li>▪ Sensing element response to temperature and load bearing capacity (test procedure according to ISO 10294-4)</li> </ul> | response temperature<br>72°C | fulfilled              |
|  | capacity                     | fulfilled              |
| <b>Durability of operational reliability:</b> <ul style="list-style-type: none"> <li>▪ Open and closing cycle test</li> </ul>  |                              | - (not applicable)     |
| <b>Fire resistance:</b><br>(test method according to EN 1366-2, classification according to 13501-3:2009)  |                              |                        |
| <ul style="list-style-type: none"> <li>▪ Integrity</li> </ul>  | E                            | up to 120 min          |
| <ul style="list-style-type: none"> <li>▪ Insulation</li> </ul>   | I                            | up to 120 min          |
| <ul style="list-style-type: none"> <li>▪ Smoke leakage</li> </ul>  | S                            | up to 120 min          |
| <ul style="list-style-type: none"> <li>▪ Mechanical stability (regarding E)</li> </ul>   |                              | fulfilled              |
| <ul style="list-style-type: none"> <li>▪ Maintenance of the cross section (regarding E)</li> </ul>   |                              | fulfilled              |

| Frame size           | Supporting structure  | Construction type  | Installation type                           | Performance class       |
|----------------------|---|--|---|-------------------------|
| Ø100 to<br>Ø250 [mm] | <br>Solid ceiling    | Solid ceiling $d^* \geq 150$ mm<br>Installation on and under the ceiling<br>Minimum distance to each other $\geq 25$ mm<br>Minimum distance to load-bearing components $\geq 20$ mm  | Wet installation ceiling<br>(mortar)        | EI 120 ( $h_o$ i ↔ o) S |
|                      | <br>Solid wall       | Solid wall $d^* \geq 100$ mm<br>Minimum distance to each other $\geq 25$ mm<br>Minimum distance to load-bearing components $\geq 20$ mm  | Wet installation wall<br>(mortar)           | EI 90 ( $v_e$ i ↔ o) S  |
|                      |   |  | Dry installation wall<br>(slide element)    |                         |
|                      | <br>Metal stand wall | Lightweight wall $d^* \geq 100$ mm<br>with metal stand, double-sided, double-planked<br>each 2 x 12.5 mm GRP panels and mineral wool filling<br>Minimum distance to each other $\geq 200$ mm Minimum<br>distance to load-bearing components $\geq 20$ mm | Wet installation wall<br>(mortar)           | EI 90 ( $v_e$ i ↔ o) S  |
|                      |   |  | Dry installation wall<br>(slide element)    | EI 60 ( $v_e$ i ↔ o) S  |
|                      | <br>Shaft wall       | Shaft wall $d^* \geq 90$ mm<br>with metal stand, one-sided planked 2 x 20 mm GRP<br>panel<br>Minimum distance to each other $\geq 25$ mm Minimum<br>distance to load-bearing components $\geq 20$ mm   | Wet installation wall<br>(mortar)           | EI 90 ( $v_e$ i ↔ o) S  |
|                      |   | Dry installation wall<br>(slide element)   | EI 60 ( $v_e$ i ↔ o) S                      |                         |
|                      | <br>Solid ceiling   | Solid ceiling $d^* \geq 150$ mm<br>Soft bulkhead system 2 x 50 mm mineral wool planks<br>Installation on and below the soft bulkhead<br>Minimum distance from each other $\geq 25$ mm Minimum<br>distance to load-bearing components $\geq 200$ mm       | Dry installation ceiling<br>(Soft bulkhead) | EI 90 ( $h_o$ i ↔ o) S  |

\*d = Thickness of wall/ceiling

| Frame size        | Supporting structure  | Construction type  | Installation type   | Performance class      |
|-------------------|---|--|---|------------------------|
| Ø100 to Ø250 [mm] | <br>Laminated timber ceiling | Board pile / cross laminated timber deck $d^* \geq 100$ mm with an additional planking<br>1 x 12.5 mm GKF panel<br>Installation on and under the ceiling Minimum distance from each other $\geq 25$ mm<br>Minimum distance to load-bearing components $\geq 20$ mm | Wet installation ceiling (mortar)                                       | El 90 ( $h_o$ i ↔ o) S |
|                   | <br>Laminated timber ceiling | Board / plywood ceiling $d^* \geq 140$ mm Installation on and under the ceiling Minimum distance to each other $\geq 25$ mm<br>Minimum distance to load-bearing components $\geq 20$ mm  | Wet installation ceiling (mortar)                                       | El 90 ( $h_o$ i ↔ o) S |
|                   | <br>Beamed ceiling           | Wooden beam ceiling $d^* \geq 174.5$ mm including planking<br>3 x 12.5 mm GKF panel<br>Installation on and under the ceiling distance to each other $\geq 25$ mm<br>Distance to load-bearing components $\geq 20$ mm   | Wet installation ceiling (mortar)                                       | El 90 ( $h_o$ i ↔ o) S |
|                   | <br>Wooden wallboard         | Lightweight wall $d^* \geq 130$ mm with wooden stand, both sides, double planked each 2 x 12.5 mm GKF panel<br>Minimum distance to each other $\geq 25$ mm Minimum distance to load-bearing components $\geq 20$ mm  | Wet installation wall (mortar)<br>Dry installation wall (slide element) | El 90 ( $v_e$ i ↔ o) S |
|                   | <br>Laminated timber wall   | Cross laminated timber wall $d^* \geq 100$ mm Minimum distance to each other $\geq 25$ mm Minimum distance to load-bearing components $\geq 20$ mm   | Wet installation wall (mortar)<br>Dry installation wall (slide element) | El 90 ( $v_e$ i ↔ o) S |

\*d = Thickness of wall/ceiling

This declaration of performance is available for download in the service section of our homepage [www.geba-brandschutz.de](http://www.geba-brandschutz.de).

The performance of the mentioned product identified in point 1 is in conformity with the declared performance in point 7. This declaration of performance is issued in accordance with the regulation (EU) No. 305/2011 under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by



Emerkingen, 23.08.2019

Gert Bartholomäus - Geschäftsführer  
Bartholomäus GmbH

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D-89607 Emerkingen

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